



HVAC UNIT SCHEDULE					
MARK	QUANTITY	MFR. & MODEL NO.	COOLING BTU/HR	HEATER (KW)	OPTIONS
HVAC-1 & HVAC-2	2	SUPPLIED BY BUILDING MANUFACTURER	-	-	PACKAGE HEAT PUMP/AC UNIT, 208V / 1PH, SINGLE POINT CIRCUIT BREAKER, ECONOMIZER WITH SELF CONTAINED ENTHALPY CONTROL, COMPRESSOR CRANK CASE HEATERS FOR LOW TEMPERATURE OPERATION, SUPPLY PLENUM WITH GRILLE AND RETURN GRILLE

NOTE: HVAC HEAT AND COOLING SIZING SHALL BE PERFORMED BY THE EOR BASED ON A SITE BY SITE BASIS. PROVIDE ADDITIONAL HVAC UNITS AS REQUIRED TO MEET THE CALCULATED HVAC LOADS. SUBMIT CALCULATIONS FOR APPROVAL. VERIFY POWER SUPPLY REQUIREMENTS WITH OWNER.

UNIT HEATER SCHEDULE				
MARK	QUANTITY	MFR. & MODEL NO.	KW	OPTIONS
UH-1, UH-2, UH-3 & UH-4	4	SUPPLIED BY BUILDING MANUFACTURER	TBD BY EOR	208V / 1PH, CEILING MOUNTING BRACKET FOR HORIZONTAL DISCHARGE, DISCONNECT SWITCH, BUILT IN CURRENT TRANSFORMER AND WALL MOUNTED TWO STAGE DIGITAL THERMOSTAT

NOTE: UNIT HEATER SIZING SHALL BE PERFORMED BY THE EOR. SIZING, HEAT, COOLING & ELECTRICAL LOAD REQUIREMENTS WILL BE PROVIDED ON A SITE BY SITE BASIS. VERIFY POWER SUPPLY REQUIREMENTS WITH OWNER.

EXHAUST FAN SCHEDULE				
MARK	QUANTITY	MFR. & MODEL NO.	CFM	OPTIONS
EF-1, EF-2	2	SUPPLIED BY BUILDING MANUFACTURER	1 CFM/SQ FT	120V / 1PH, DIRECT DRIVE, 1/12 MOTOR HP, FIXED LOUVER, MOTORIZED DAMPER WITH 120 VAC ACTUATOR, WALL HOUSING, OSHA GUARD AND REMOTE SINGLE POINT DISCONNECT.

NOTE: EXHAUST FAN INFORMATION PROVIDED FOR LAYOUT OF FRAMING ONLY, TO BE PROVIDED ON A SITE BY SITE BASIS BY THE EOR. VERIFY POWER SUPPLY REQUIREMENTS WITH OWNER. VERIFY FAN MOTOR SIZING BASED ON ACTUAL AIRFLOW AND STATIC PRESSURE.

DOOR SCHEDULE							
NO.	SIZE	HAND	MATERIAL	TYPE	HARDWARE	CLOSER	WITHR. STRIP'G
101	(2) 3'-0"x8'-0"x1 3/4"	DSO	INSULATED HOLLOW METAL	A	PANIC BAR & PULL PLATE W/ ELECT. STRIKE & LOCKSET ON ACTIVE LEAF, SURFACE BOLTS ON INACTIVE LEAF	YES	YES
102	3'-0"x8'-0"x1 3/4"	LHSO	INSULATED HOLLOW METAL	B	TURN KNOB	YES	YES
103	3'-0"x8'-0"x1 3/4"	RHSO	INSULATED HOLLOW METAL	B	TURN KNOB	YES	YES
104	(2) 3'-0"x8'-0"x1 3/4"	DSO	INSULATED HOLLOW METAL	A	PANIC BAR & PULL PLATE W/ ELECT. STRIKE & LOCKSET ON ACTIVE LEAF, SURFACE BOLTS ON INACTIVE LEAF	YES	YES
105	3'-0"x8'-0"x1 3/4"	LHSO	INSULATED HOLLOW METAL	B	TURN KNOB	YES	YES

#### NOTES:

- CONTRACTOR TO COORDINATE LOCATION OF ACCESS FLOOR SUPPORTS WITH UNDER-FLOOR CABLE TRAY SYSTEM. REFER TO CABLE TRAY PLAN.
- CABLE PENETRATIONS THROUGH CMU WALL SHALL ONLY BE IN AREA BELOW ACCESS FLOOR.
- CABLE PENETRATIONS SHALL BE SEALED WITH FIRE RETARDANT MATERIALS SPECIFIED IN THE PROJECT SPECIFICATIONS.
- ANY GAP BETWEEN THE CMU KNEE WALL AND THE UNDERSIDE OF THE DROP-IN FLOOR SYSTEM SHALL BE SEALED WITH THE APPROVED FIRE RETARDANT MATERIALS SPECIFIED IN THE PROJECT SPECIFICATIONS.
- REFER TO PROJECT SPECIFICATIONS FOR ADDITIONAL DESIGN, MATERIAL, AND CONSTRUCTION REQUIREMENTS.
- REFER TO CONTROL HOUSE STANDARD 2.71.08 SECTION 1.10.4.2 FOR FLOOR LOADING REQUIREMENTS.
- MINIMUM DESIGN DEAD LOAD ALL AREAS: SELF WEIGHT OF PERMANENT COMPONENTS  
MINIMUM FLOOR DESIGN DEAD LOAD SUPPORTING SWITCH GEAR, BATTERIES, & RELAY CABINETS: 250 lb./sq. ft.  
MINIMUM FLOOR DESIGN LIVE LOAD ALL AREAS: 100 lb./sq. ft.
- MAXIMUM RELAY CONTROL CABINET CAPACITY: 22
- ALL MECHANICAL EQUIPMENT SHALL BE UL LISTED, HAVE A MINIMUM TWO-YEAR SERVICE RECORD WITH THE MANUFACTURER, AND SHALL BE FABRICATED TO COMMERCIAL OR INDUSTRIAL STANDARDS.
- INSULATE SUPPLY AIR DUCTS TO MEET MAINE AND NEW YORK ENERGY CODES. DO NOT ROUTE SUPPLY AIR DUCTS ABOVE ELECTRICAL PANELS.
- HATCHED SPACE IS FREE SPACE FOR ADDITIONAL PANELS.
- 25 PSF DEAD LOAD TO BE CONSIDERED FOR OVER HEAD CABLE TRAY

#### LEGEND:

B.O.F. EL. = BOTTOM OF FOOTING  
T.O.C. EL. = TOP OF CONCRETE  
T.O.W. EL. = TOP OF WALL  
T.O.S. EL. = TOP OF STEEL  
EOR = ENGINEER OF RECORD (RETAINED BY BUILDING MANUFACTURER)  
FD = FIRE DAMPER  
F.F. = FINISH FLOOR  
TA = TRANSFER AIR

#### REFERENCE DWG'S

TM 2.71.08-2 SH1 FOUNDATION PLAN & SECTIONS  
TM 2.71.08-2 SH2 FOUNDATION TYPICAL DETAILS  
TM 2.71.08-2 SH3 EXTERIOR BUILDING ELEVATIONS

CONFIDENTIAL, PROPRIETARY and TRADE SECRET INFORMATION				CONTROL ROOM MEDIUM FLOOR PLAN & BUILDING SECTION			
Property of Iberdrola, USA				STA# LOCATION			
				DR. BCH/CCE	DES. ASI/CCE	CK. /CCE	APP. -
				APPROVAL DATE: -			
				FILE: TM 2.71.08-2 SH3			
				SUBSTATION ENGINEERING		TM 2.71.08-2 SH3	
				REV. NO.		05	

BATTERY ROOM VENTILATION DIAGRAM  
SCALE: N.T.S.

CONTRACTOR/INSTALLER SHALL TAKE ALL APPROPRIATE PRECAUTIONS TO ENSURE THE SAFETY OF ALL PEOPLE LOCATED ON THE WORK SITE, INCLUDING CONTRACTOR'S /INSTALLER'S PERSONNEL (OR THAT OF ITS SUB-CONTRACTOR(S)) PERFORMING THE WORK.

ANY MODIFICATION OR ADDITION TO THIS DRAWING BY ANY ORGANIZATION OTHER THAN SARGENT & LUNDY IS NOT THE RESPONSIBILITY OF SARGENT & LUNDY.



NEXTERA ENERGY RESOURCES, LLC  
TRELINA SOLAR ENERGY CENTER, LLC  
115 kV SWITCHYARD  
CONTROL HOUSE PLAN

13666-052-E1-400

PRELIMINARY  
NOT FOR CONSTRUCTION

NO	DATE	REVISIONS AND RECORD OF ISSUE	DRWN	REV'D	APPR	COMP	APPD	KVP	DATE
C	10/19/2020	PRELIMINARY - NOT FOR CONSTRUCTION	NT	KVP	KVP	S&L			
B	06/22/2020	PRELIMINARY - NOT FOR CONSTRUCTION	NT	KVP	KVP	S&L			
A	04/30/2020	PRELIMINARY - NOT FOR CONSTRUCTION	NJM	JTB	KVP	S&L			
NO	DATE	REVISIONS AND RECORD OF ISSUE	DRWN	REV'D	APPR	COMP	APPD	KVP	DATE